

Specification

<p>1. Target Market- School children from School fair suitable For adults as well.</p>
<p>2. Function-should be an Electronic Game that can be used to raise funds at a school fair for the school. Must be fun to play.</p>
<p>3. Size- I can't have my project because the electronics won't fit in the case. But from my questionnaire results, most people Want the case a bout 6 inches.</p>
<p>4. Weight- It can't be too heavy because it's a hand held game, And it must be suitable for children, so they must be able to Hold it.</p>
<p>5. Battery accessibility-I will put the battery in a battery holder and use a Glue gun to secure it to the end on my case. It will Be easily accessible to change.</p>
<p>6. Safety- This product should be safe for all ages. There are no sharp Edges but there are small parts. So it isn't suitable for toddlers</p>
<p>7. Green issues-I will try not to produce any waste projects from making My game, I could consider rechargeable batteries as well</p>
<p>8. Maintenance-The batteries will need changing so I will Them on the outside of my case, as then they will be easier to Change. The Case is also too small to hold them.</p>
<p>9. Power sources-Should run on 2 AA batteries. But 3 would Be better. But I might not be able to fit it on my project.</p>
<p>10. Input devices-Push switch, Slide switch, Infra red receiver, Laser diode.</p>

<p>11. Manufacture- I will use a soldering iron for most of my production And the glue gun, as I have bought the case.</p>
<p>12. Packaging- Use bright colours for the packaging to make people Want to buy it. I will also include instructions on how To play.</p>
<p>13. Testing- I will test my product a lot and make sure its perfect. I will Ask people that don't know how to use my project to make Make sure it's understandable</p>
<p>14. Time scale- I have 40 hours to make my project. But as my case is pre Made it shouldn't</p>
<p>15. Output devises- LED, I/R, Vibrate motor.</p>
<p>16. Assembly boards- Printed circuit board</p>
<p>17. Packaging the electronics- I will be using an acrylic plastic casing to hold the electronics,</p>
<p>18. Cost- From my results people would pay £5-10 pounds for this game.</p>
<p>19. Durability- Hopefully the project should last for a while But from my questionnaire results most people will be using the game outside so might break easily if thrown About. I will try and make my project as durable as Possible, I am making it out of thick plastic so hopefully be ok.</p>
<p>20. Aesthetics- Because it's for children the project should be Bright colours. My results Show that people want the projects Orange and Blue and in a shape of a gun</p>
<p>21. Process Devises- Transistor, PIC, and resistor.</p>